

Express Mail Label Number ED 794108250 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Klaus SAITMACHER, et al. : Attorney Docket: 2003DE120
Serial No.: to be Assigned :
Filed: December 9, 2005 :
For: Stabilized Aqueous Colorant Preparations

Transmittal Letter
Notification of Amendments Under PCT Article 34


Mail Stop:
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Preliminary to the examination of the above-identified application, an Amendment was filed under Article 34 of the Patent Cooperation Treaty prior to the International Preliminary Examination. Please note that the attached page, 21, Claims 1-6, was filed with the European Patent Office.

Applicant respectfully requests submission of this page before examination of the application and before entry of the Preliminary Amendment.

Respectfully submitted,


Anthony A. Bisulca
Attorney for Applicant
Registration No. 40,913

(CUSTOMER NUMBER 25,255)

Clariant Corporation
Industrial Property Department
4000 Monroe Road
Charlotte, NC 28205
Phone 704 331-7151
Fax 704 331-7707

What is claimed is:

- 1) A use of an antimicrobially effective amount of a mixture of 5-chloro-2-methyl-4-isothiazolin-3-one, 2-methyl-4-isothiazolin-3-one and 2-bromo-2-nitropropane-1,3-diol as a biocide in aqueous colorant preparations having a heavy metal ion concentration of not less than 20 ppm and wherein the colorant is a reactive dye, a direct dye, an acid dye, a disperse dye or a pigment and comprises a complexed heavy metal from the group consisting of Cu, Co, Ni, Fe, Cr and Al.
- 2) The use according to claim 1 wherein the colorant preparation is a recording fluid, in particular an ink jet ink.
- 3) The use according to claim 1 or 2 wherein the antimicrobially effective amount is 0.001% to 0.1% by weight and preferably 0.02% by weight, reckoned as solid and based on the total weight of the colorant preparation.
- 4) The use according to at least one of claims 1 to 3 wherein the mixing ratio of the individual constituents chloro-2-methyl-4-isothiazolin-3-one, 2-methyl-4-isothiazolin-3-one and 2-bromo-2-nitropropane-1,3-diol is (0.005 to 0.1):(0.005 to 0.05):1.
- 6) The use according to claim 5 wherein the colorant is C.I. Reactive Black 8, C.I. Reactive Black 31, C.I. Reactive Blue 7, C.I. Reactive Blue 14, C.I. Reactive Blue 21, C.I. Reactive Blue 28, C.I. Reactive Blue 38, C.I. Reactive Blue 82, C.I. Reactive Blue 89, C.I. Reactive Blue 158, C.I. Reactive Blue 182, C.I. Reactive Blue 190, C.I. Reactive Blue 203, C.I. Reactive Blue 216, C.I. Reactive Blue 220, C.I. Reactive Blue 244, C.I. Reactive Violet 1, C.I. Reactive Violet 5, C.I. Reactive Red 6, C.I. Reactive Red 23, C.I. Reactive